

DIVERTER VALVE WITH MULTIPLE VALVE SEAT RINGS

ABSTRACT OF THE DISCLOSURE

A diverter valve includes a valve bore having a set of valve seats associated with each fluid outlet port. Each set of valve seats is at least partially separated from one another by a flow channel. The valve seat configuration increases the impact area for the valve element. As a result, the impact force upon seating against the valve seats is reduced. Moreover, by including flow channels between the sets of valve seats, the switching force and performance of the valve element is not adversely affected.